

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20774	(Gibson\$.in or hansen\$.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:23
L2	78	L1 AND (detergent composition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:20
L3	41	L2 AND (endo-glucanase OR cellulase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:24
L4	33692	detergent composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:23
L5	33614	L4 NOT (Gibson\$.in or hansen\$.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:23
L6	3315	L5 AND (endo-glucanase OR cellulase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:25
L7	965	L6 AND (anti-redeposition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:32
L8	11	L6 AND (anionic tenside\$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:26
L9	0	(endo-glucanase) SAME (anionic-tensides)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:33

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L10	0	(endo-glucanase) AND (anionic-tensides)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:34
L11	2	(endo glucanase) AND (anionic tensides)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:35
L12	21	(cellulase) AND (anionic tensides)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:39
L13	7	(endo glucanase) AND (anti-redeposition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:48
L14	3	(endo glucanase) SAME (weight ratio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 09:59
L15	602	(detergent composition) SAME (pH range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 10:07
L16	0	I15 AND ("5.5-10.5")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 10:01
L17	0	I15 AND (pH "5.5-10.5")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 10:01
L18	27	(endo-glucanase) SAME (pH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/05/03 10:08

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- ☐ 1. **ENDO-BETA-1,4-GLUCANASE FROM BACILLUS OUTTRUP, Helle / SCHÜ / LEIN, Martin / ESKE LUND, Mads, Bjø / rn vad / GIBSON, Keith / NOVOZYMES A/S, PATENT COOPERATION TREATY APPLICATION, Dec 2002**
...encoding such an **endo- beta-1,4-glucanase**, and use...5 in the **detergent**, paper and...suitable for **detergents**. There is...preferably an **endo-beta- 1,4-glucanase**, activity...function. The **endo-glucanase** of the invention...especially in **detergent** compositions...
Full text available at patent office. For more in-depth searching go to LexisNexis-
[view all 199 results from Patent Offices](#)
[similar results](#)
- ☐ 2. **FAMILY 6 ENDO-1,4- β -GLUCANASE VARIANTS AND CLEANING COMPOSITIONS CONTAINING THEM**
LUND, Henrik / NIELSEN, Jack, Bech / SCHULEIN, Martin / DAMGAARD, Bo / ANDERSEN, Kim, Vilbour / NOVO NORDISK A/S, PATENT COOPERATION TREATY APPLICATION, Jan 1999
FAMILY 6 **ENDO-1,4- β -GLUCANASE VARIANTS AND**...including laundry **detergent** compositions...containing an **endo-1,4- β - glucanase** of the glycosyl...the parent **endo-beta-1,4-glucanase** or cellulase...enzyme with poor **detergent** compability...
Full text available at patent office. For more in-depth searching go to LexisNexis-
[view all 199 results from Patent Offices](#)
[similar results](#)
- ☐ 3. **Endo-B-1,4-glucanases from saccharothrix Bjø / rn vad, Mads Eskelund / Hatakeyama, Mariko / Schü / lein, Martin / Nielsen, Jack Bech / NovoNordisk A/S, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Mar 2001**
...comprising an enzyme having **endo- β -1,4- glucanase** activity obtainable from...the enzyme) exhibiting **endo- β -1,4- glucanase** activity selected from...preparation being useful in a **detergent** or fabric softener composition...
Full text available at patent office. For more in-depth searching go to LexisNexis-
[view all 199 results from Patent Offices](#)
[similar results](#)

4. **Proteolytic release of membrane-bound endo-(1,4)-beta-glucanase activity associated**


- ☐ [with cell wall softening in Achlya...](#)
Terry W Hill / Darlene M Loprete / Kim N Vu / MokhtariSusanP Bayat / L Vanessa Hardin, Can J Microbiol, Jan 2002
 ...demonstrate a latent **endo-(1,4)-beta-glucanase** activity in a mixed...much smaller effect. **Detergent** treatment of membranes releases two **glucanases** detectable by electrophoretic...migrate in parallel with **glucanases** secreted during wall...
- MEDLINE/PubMed Citation on PubMed**
[view all 2 results from MEDLINE/PubMed](#)
[similar results](#)
- ☐ 5. [Cloning of a gene encoding a highly stable endo- \$\beta\$ -1,4-glucanase from Aspergillus niger and its expression in yeast](#)
Hong, J. / Tamaki, H. / Akiba, S. / Yamamoto, K. / Kumagai, H., Journal of Bioscience and Bioengineering, Jan 2001
 ...three types: **endo-13-1,4-glucanases** [EC 3.2.1.4...been used in **detergents** (1-2), the pulp...use in laundry **detergents**, the cellulase...resistant to **detergent** components such...labora- tory, an **endo-13-1,4-glucanase** was purified...
Published journal article available from SCIENCE @ DIRECT
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[similar results](#)
- ☐ 6. [NOVEL ENDO-BETA-1,4-GLUCANASES](#)
SCHÜ / LEIN, Martin / BJØ / RNVAD, Mads, Eskelund / NOVO NORDISK A/S, PATENT COOPERATION TREATY APPLICATION, Dec 2000
 ...homologous to a Bacillus lichenifo= is family 9 **endo-0-1,4- glucanase**, to an isolated polynucleotide molecule encoding such an **endo-0-1,4- glucanase**, and use of the enzyme in the **detergent**, paper and pulp, oil drilling, oil extraction...
Full text available at patent office. For more in-depth searching go to LexisNexis®
[view all 199 results from Patent Offices](#)
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- ☐ 7. [ENDO- [bgr] -1,4-GLUCANASES FROM](#)
BJØ / RNVAD, Mads, Eskelund / HATAKEYAMA, Mariko / SCHÜ / LEIN, Martin / NIELSEN, Jack, Bech / NOVO NORDISK A/S, PATENT COOPERATION TREATY APPLICATION, Jan 1999
 ...present invention relates to an **endo-P-1,4-glucanase** preparation derived from a Saccharothrix...polynucleotide molecule encoding an **endo-0-1,4-glucanase**, an isolated enzyme produced...preparation or the enzyme in the **detergent**, paper and pulp, oil drilling...
Full text available at patent office. For more in-depth searching go to LexisNexis®
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- ☐ 8. [ENDO- AND EXO-GLUCANASE POLYNUCLEOTIDES AND METHODS OF USE](#)
SIMMONS, Carl, R. / PIONEER HI-BRED INTERNATIONAL, INC., PATENT COOPERATION TREATY APPLICATION, Dec 2000
ENDO- AND EXO-GLUCANASE POLYNUCLEOTIDES AND METHODS OF USE...glucanases. BACKGROUND OF THE WWNTTON **Endo-** and **exo-glucanases** are enzymes that can hydrolyze B-linked...1.58, Huber and Nevins 1982) and **endo-glucanases** (akin to EC 3.2.1.73, for examples...
Full text available at patent office. For more in-depth searching go to LexisNexis®
[view all 199 results from Patent Offices](#)
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- ☐ 9. [DETERGENT CONTAINING GLUCANASE](#)
KOTTWITZ, Beatrix / MAURER, Karl-Heinz / Henkel Kommanditgesellschaft auf Aktien, EUROPEAN PATENT, May 2000
 ...aufweist. Als β - **Glucanasen** sollen hier Enzyme aus der Klasse der **Endo-1,3-1,4- β -D-**

glucan-4-glucanohydrolasen...Ebenfalls als **β -Glucanasen** im Sinne der Erfindung gelten **Endo-1,3- β -D-glucosidasen**...Laminarinasen). **β -Glucanasen** spalten Mischglucane...
Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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☐ **10. DETERGENT COMPOSITIONS CONTAINING CELLULASE COMPOSITIONS DEFICIENT IN CBH I TYPE COMPONENTS**

CLARKSON, Kathleen, A. / WEISS, Geoffrey, L. / LARENAS, Edmund, A. / SHOEMAKER, Sharon, P. / GENENCOR INTERNATIONAL, INC., EUROPEAN PATENT, Jul 1993

...endoglucanase components in **detergent** compositions complements...requirements of the **detergent** composition. The **endo-glucanase** component of this...herein to define **endo-glucanase** type components...similar properties in **detergent** compositions as...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
[view all 199 results from Patent Offices](#)
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☐ **11. Endoglucanase and Mannanase from Blue Mussel, Mytilus edulis: Purification, Characterization, Gene and Three Dimensional ...**

Xu, Bingze, Jan 2002

...polysaccharide-degrading enzymes (**endo-1,4-D-glucanase** and β -mannanase) from blue...polysaccharide-degrading enzymes (**endo-1,4-D-glucanase** and β -mannanase) from blue...thermostable, low molecular mass **endo- β -1,4-glucanase** from blue mussel, *Mytilus edulis*...

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☐ **12. DETERGENT COMPOSITIONS CONTAINING CELLULASE COMPOSITIONS DEFICIENT IN CBH I TYPE COMPONENTS**

CLARKSON, Kathleen, A. / WEISS, Geoffrey, L. / LARENAS, Edmund, A. / SHOEMAKER, Sharon, P. / GENENCOR INTERNATIONAL, INC., PATENT COOPERATION TREATY APPLICATION, Apr 1992

...WO 89/09259 discloses that **detergent** compositions containing a...endoglucanase components in **detergent** compositions complements the pH requirements of the **detergent** composition. The **endo-glucanase** component of this reference...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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☐ **13. Enzymatic properties, crystallization, and deduced amino acid sequence of an alkaline endoglucanase from Bacillus...**

Hakamada, Y. / Endo, K. / Takizawa, S. / Kobayashi, T. / Shirai, T. / Yamane, T. / Ito, S., Biochimica et Biophysica Acta (BBA)/General Subjects, Apr 2002

...Crystallization Lichenase Bacillus Egl **endo-1,4- β -glucanase** CMC carboxymethyl cellulose...study of Bacillus cellulase [**endo-1,4- β -glucanase**, Egl (EC3.2.1.4)] has, until...effective additives to laundry **detergents** [1,3,4] . In 1988, we incorporated...

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☐ **14. DETERGENT CONTAINING GLUCANASE**

KOTTWITZ, Beatrix / MAURER, Karl-Heinz / HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, PATENT COOPERATION TREATY APPLICATION, Feb 1999

...verträglichen Inhaltsstoffen eine **β -Glucanase** enthält. Als **β -Glucanasen** sollen hier Enzyme aus der Klasse der **Endo-1,3,1,4- β -D-glucan-4-glucanohydrolasen**...werden. Ebenfalls als **β -Glucanasen** im Sinne der Erfindung gelten **Endo-1,3- β -D-glucosidasen** (EC...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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- ☐ **15. Endoglucanase and Mannanase from Blue Mussel, *Mytilus edulis*: Purification, Characterization, Gene and Three Dimensional ...**
Xu, Bingze, Apr 2002
 ...polysaccharide-degrading enzymes (**endo-1,4-D-glucanase** and β -mannanase) from blue...thermostable, low molecular mass **endo- β -1,4-glucanase** from blue mussel, *Mytilus edulis*...and sequencing of a molluscan **endo- β -1,4-glucanase** gene from the blue mussel...
Full text thesis available via NDLTD
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- ☐ **16. Caracterització i propietats de dues endo- β -(1,4)-glucanases implicades en l'estovament del fruit de maduixa.**
Palomer Tarridas, Francesc Xavier, Jun 2002
 ...CARACTERITZACIÓ I PROPIETATS DE DUES **ENDO- β -(1,4)-GLUCANASES** IMPLICADES EN L'ESTOVAMENT...CARACTERITZACIÓ I PROPIETATS DE DUES **ENDO- β -(1,4)-GLUCANASES** IMPLICADES EN L'ESTOVAMENT...CARACTERITZACIÓ I PROPIETATS DE DUES **ENDO- β -(1,4)-GLUCANASES** IMPLICADES EN L'ESTOVAMENT...
Full text thesis available via NDLTD
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- ☐ **17. List of PDB codes [69K]**
 Nov 1998
 ...inhibitor pki(5-24) and the **detergent** mega-8 1apy(A) - Human...Barley 1,3-1,4-beta-**glucanase** in monoclinic space group...d-glucan-glucanohydrolase, cellulase **endo-1,4-beta-glucanase** d 1cmb(A) - Met apo...at 15 degreeE C 1edt - **Endo-beta-n-acetylglucosaminidase**...
[\[http://www.biochem.ucl.ac.uk/bsm/sidechains/dataset.ht...\]](http://www.biochem.ucl.ac.uk/bsm/sidechains/dataset.ht...)
[similar results](#)
- ☐ **18. A THERMOSTABLE ENDO-BETA-1,4-GLUCANASE**
ANDERSEN, Lene, Nonboe / BJØ / RNVAD, Mads, Eskelund / SCHÜ / LEIN, Martin / NOVO NORDISK A/S, PATENT COOPERATION TREATY APPLICATION, Aug 1998
 ...91), **endo-beta-1,4-glucanase** (**endo- 1,4-beta-D-glucan**...different **endo-beta-1,4-glucanases** from *Trichoderma viride*...known that family 12 **endo-beta-1,4-glucanases** may also exhibit xyloglucanase...as ingredients in **detergent** compositions or fabric...
Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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- ☐ **19. Enzymic activities responsible for xyloglucan depolymerization in extracts of developing tomato fruit**
Faik, A. / Desveaux, D. / Maclachlan, G., Phytochemistry, Sep 1998
 ...end-product activation of an **endo-1,4--glucanase** or XGase, for the following reasons: non-specific **endo-1,4--glucanase** (carboxymethylcellulase) activities...were recovered from buffer and **detergent**-extracts but were barely detectable...
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- ☐ **20. Identification of thermostabilizing residues in a Bacillus alkaline cellulase by construction of chimeras from...**
Hakamada, Y. / Hatada, Y. / Ozawa, T. / Ozaki, K. / Kobayashi, T. / Ito, S., FEMS Microbiology Letters, Feb 2001

...alkaline **endo**-1,4- beta -**glucanase** that is suitable...for use in **detergents**. The deduced...Alkaline **endo**-1,4- beta -**glucanase** (Egl EC 3...effective **detergent** additive...alkaline **endo**-1,4- beta -**glucanases** from alkalophilic...for laundry **detergents**: production...

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endo-glucanase AND pH

- 2002

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Scholar

Results 1 - 10 of about 2,250 for endo-glucanase AND pH. (0.08 seconds)

pH regulates endoglucanase expression and virulence of Alternaria alternata in persimmon fruit - group of 4 »

D Eshel, I Miyara, T Ailing, A Dinoor, D Prusky - Mol. Plant-Microbe Interact, 2002 - apsnet.org

... pH Regulates **Endoglucanase** Expression and Virulence of ... Effect of pH and glucose on AaK1 expression and **endoglucanase** production. ...Cited by 12 - [Web Search](#) - [BL Direct](#)

... the high enzyme activity in the alkaline pH range of an alkaline endoglucanase from a Bacillus sp. - group of 3 »

JS Park, J Hitomi, S Horinouchi, T Beppu - Protein Engineering, 1993 - peds.oupjournals.org

... ARTICLES. Identification of two amino acids contributing the high enzyme activity in the alkaline pH range of an alkaline **endoglucanase** from a Bacillus sp. ...Cited by 5 - [Web Search](#) - [BL Direct](#)

Simultaneous production of high activities of thermostable endoglucanase and β -glucosidase by the ... - group of 3 »

IV Gomes, JV Gomes, DJV Gomes, WV Steiner - Applied Microbiology and Biotechnology, 2000 - Springer

... FPase and **endoglucanase** activities were assayed at pH 4.5 as described by the International Union of Pure and Applied Chemistry (IUPAC 1987), using @lter ...Cited by 14 - [Web Search](#)

Lyticase: Endoglucanase and Protease Activities That Act Together in Yeast Cell Lysis - group of 3 »

JH Scott, R Schekman - Journal of Bacteriology, 1980 - jb.asm.org

... Lyticase: **Endoglucanase** and Protease Activities That Act Together in Yeast Cell ... distribution of products was pH dependent, smaller oligomers predominating at ...Cited by 62 - [Web Search](#)

Cloning of a new endoglucanase gene from Bacillus sp. BP-23 and characterisation of the enzyme. ... - group of 3 »

AG Blanco, PG Díaz, JG Martínez, TG Vidal, ALG ... - Applied Microbiology and Biotechnology, 1998 - Springer

... al. 1996; Iyo and Forsberg 1996), **endo-glucanase** A shows one of the lowest optimum pH values reported for an **endoglucanase**. At ...Cited by 16 - [Web Search](#) - [BL Direct](#)

Mannanase activity of Endoglucanase III from Trichoderma reesei QM9414 - group of 2 »

RG Macarrón, CG Acebal, MPG Castellón, MG ... - Biotechnology Letters, 1986 - Springer

... describes the mannanase activity of a well-characterised **endoglucanase** of Trichoderma ... With the Pharmacia Phast System (Pharmacia, Sweden), pH titration curves ...Cited by 5 - [Web Search](#) - [BL Direct](#)

A study of the cellulases produced by three mesophilic actinomycetes grown on bagasse as substrate. - group of 2 »

WH Van Zyl - Biotechnology and Bioengineering, 1985 - doi.wiley.com

... range of 4.0-8.0 at 50°C (using 0.05M citrate and phosphate buffers) and in the temperature range of 40-60°C at pH 5.0 for the **endoglucanase** and pH 6.0 for ...

[Cited by 7 - Web Search](#)

Characterization of a new endoglucanase from Erwinia chrysanthemi - group of 6 »

R endonucleases were obtained from New - Eur. J. Biochem, 1987 - blackwell-synergy.com

... Property Endo- **Endo- glucanase** Z glucanase Y purified from ... Methylum belliferyl -

P-cellobioside + Optimum pH 7 5.5 ... line was observed with the **endoglucanase** of E ...

[Cited by 11 - Web Search](#)

Purification and characterization of an endoglucanase (1, 4-beta-D-glucan glucanohydrolase) from ... - group of 5 »

TK Ng, JG Zeikus - Biochem. J, 1981 - pubmedcentral.nih.gov

... at pH 6.72. The pH and temperature optima of the **endoglucanase** were 5.2

and 62 degrees C respectively. The enzyme lacked cysteine ...

[Cited by 14 - Web Search](#)

Controlling simultaneous production of endoglucanase and beta-glucosidase by Fusarium oxysporum in ... - group of 2 »

PP Christakopoulos, DP Kekos, FNP Kolisis, BJP ... - Biotechnology Letters, 1995 - Springer

... 3) show that **endoglucanase** and glucosidase retained 50% of their activi- ties at

pH 5.0 after 18.2 and 10.3 h at 60oc, respectively, whereas at 70°C the ...

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endo-glucanase AND pH

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endo-glucanase AND thielavia

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[CITATION] ... and properties of a thermostable **endoglucanase** from a thermophilic mutant strain of **Thielavia** ... [All articles](#) [Recent articles](#)

EG KVESITADZE, TB LOMITASHVILI, MP KHUTSISHVILI, R ... - Applied biochemistry and biotechnology. Part A: enzyme ..., 1995 - Humana Press

Isolation and properties of a thermostable **endoglucanase** from a thermophilic mutant strain of **Thielavia terrestris**. EG KVESITADZE ...

Cited by 1 - [Web Search](#) - [BL Direct](#)

A comparison of the thermostability of cellulases from various thermophilic fungi

GA Wojtczak, CA Breuil, JA Yamada, JNA Saddler - Applied Microbiology and Biotechnology, 1987 - Springer

... **Thielavia** > ... However, when the **endoglucanase** activities of *T. terrestris* and *A. terreus* were examined (Fig. ... The extracellular **endo-glucanase** of *A. ...*

Cited by 4 - [Web Search](#)

Production and localization of cellulases and β -glucosidase from the thermophilic ... - group of 2 »

CB Breuil, GB Wojtczak, JNB Saddler - Biotechnology Letters, 1986 - Springer

... The enzyme production and localization of **Thielavia terrestris** strains C464 and NRRL ... enzyme; the half life of *T. terrestris* (C464) **endoglucanase** activity at 60 ...

Cited by 5 - [Web Search](#)

Exogenous Cellulases of Thermophilic Micromycetes. 11. Thermostability of Enzyme Preparations

D NIZHARADZE - Acta Biotechnol, 1986 - doi.wiley.com

... genera : Chaetomium, Sporotrichum, Aspergillus, **Thielavia**, Fusarium, Walbranchaea, - ... cultures, contain one cellulase component - **endoglucanase**, or two ...

[Web Search](#)

Endoglucanase production by entrapped *Bacillus thermoalkalophilus*

KBG Krishna, AG Varma - World Journal of Microbiology and Biotechnology, 1990 - Springer

... Further study of the use of inducers such as sophorose for **endoglucanase** production by immobilized cells and the rate of diffusion of ... **Thielavia terrestris**. ...

Cited by 1 - [Web Search](#)

Optimization of fermentation conditions for thermostable cellulase production by *Thielavia terrestris* - group of 2 »

AC Margaritis, RFC Merchant - Journal of Industrial Microbiology and Biotechnology, 1986 - Springer

... reesi QM 9414 solka floc (t = 120 h) (c,d) **Thielavia** 1% w/v 0.17 ... The effect of temperature on growth and cellulase (fl-l-4-**endoglucanase**) production in the ...

Cited by 3 - [Web Search](#)

Isolation and characterization of a cellulolytic actinomycete *Microbispora bispora*

CRJ Waldron, CAJ Becker-Vallone, DEJ Eveleigh - Applied Microbiology and Biotechnology, 1986 - Springer

... It grew readily at 55 ° C, produced an extracellular cellulase in good yield (**endoglucanase**, 5.9 U/ml) that had a broad pH range (pH 5.5–7.2) and was ...

Cited by 5 - [Web Search](#)

Purification and some properties of a thermostable acidic endo- β -1, 4-d-mannanase from Sclerotium (... - group of 3 »

FM Letters - FEMS Microbiology Letters, 1999 - blackwell-synergy.com

... fungi, eg from *Aspergillus tamarii*[5], *Sporotrichum cellulophilum*[6], *Thielavia terrestris*[7], and ... 1.9 U ml⁻¹ xylanase, 2.9 U ml⁻¹ **endoglucanase**, no detectable ...

Cited by 1 - [Web Search](#)

Cellulase-free xylanases from Bacillus and other microorganisms

FM Letters - FEMS Microbiology Letters, 2000 - blackwell-synergy.com

... 1988) Production of xylanase by the thermophilic fungus *Thielavia terrestris* ... enhanced activity against insoluble cellulose to *Ruminococcus albus* **endoglucanase** IV ...

[Web Search](#)

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BA Abriha, BAA Gashe - World Journal of Microbiology and Biotechnology, 1992 - Springer

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